

# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

REF 92524  
 Product name NANOCONTROL Standard Chromate

REACH Registration number(s): see SECTION 3.1/3.2 or  
 A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.

2 x 30 mL NANOCONTROL Chromat  
 1 x 30 mL NANOCONTROL Chromat 100+

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses**  
 Product for analytical use.  
 Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0  
 The exposure scenario is integrated into sections 1-16.

**Uses advised against**  
 not described

### 1.3 Details of the supplier of the safety data sheet

**Manufactured by:**  
 MACHEREY-NAGEL GmbH & Co. KG  
 Neumann-Neander-Str. 6-8, 52355 Dueren, GERMANY  
 Tel.: +49 2421 969 0 E-mail: sds@mn-net.com (msds@mn-net.com)

### 1.4 Emergency telephone number

Outside Germany (DE): Call your regional Poisons Information Service or call local Life Saving Service.  
 DE: Gemeinsames Giftinformationszentrum (GGIZ) 99089 Erfurt tel. +49 361 730 730

You find our current versions of SDS (22 languages) in Internet: <http://www.mn-net.com/SDS>

## SECTION 2: Hazard identification

### 2.0 Classification of the complete product



GHS07

Signal word WARNING

Hazard identification	Hazard classes/categories
H317	Skin Sens. 1

### 2.1 Classification of the substance or mixture

30 mL NANOCONTROL Chromat



GHS07

Signal word WARNING

Hazard identification	Hazard classes/categories
H317	Skin Sens. 1

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## 30 mL NANOCONTROL Chromat 100+



GHS07

Signal word

WARNING

**Hazard identification**

**Hazard classes/categories**

H317

Skin Sens. 1

## 2.2 Label elements

According **CLP directive** inner packages must be only labelled with GHS symbol(s) and product identifier(s) (EU 1272/2008 Annex I - 1.5.1.2).

Harmful chemicals/mixtures with signal word: **WARNING** must not be labelled with H and P phrases **until 125 mL** (EU 1272/2008 Annex I - 1.5.2). This labelling exemption is NOT valid for sensiblizing substances.

### 30 mL NANOCONTROL Chromat



GHS07

Signal word: WARNING

H317

May cause an allergic skin reaction.

P261sh, P280sh

Avoid breathing dust/vapours. Wear protective gloves/eye protection.

### 30 mL NANOCONTROL Chromat 100+



GHS07

Signal word: WARNING

H317

May cause an allergic skin reaction.

P261sh, P280sh

Avoid breathing dust/vapours. Wear protective gloves/eye protection.

## 2.3 Other hazards

**Possible hazards from physicochemical properties**

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**Information pertaining to particular risks to human and possible symptoms**

Cause after skin contact, impairments of health when ingested in small quantities. May cause sensitization by skin contact, also in repeated contact of small amounts. The risk assessment of the tube tests showed no risk H331 "Toxic if inhaled." at the application.

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**Information pertaining to particular risks to the environment**

**PBT:** not applicable

**vPvB:** not applicable

**Other hazards**

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances or 3.2 Mixtures

#### 30 mL NANOCONTROL Chromat

Chemical: *sulfuric acid* (diluted < 5 %) CAS No.: 7664-93-9d  
 Classification: H315, Skin Irrit. 2, H319, Eye Irrit. 2  
 Formula: H<sub>2</sub>SO<sub>4</sub>·H<sub>2</sub>O  
 TSCA Inventory: listed  
 REACH Reg. No.: 01-2119458838-20-xxxx  
 EC No.: 231-639-5 Indice No.: 016-020-00-8  
 RTECS: WS5600000  
 KE No.: KE-32570  
 Concentration: 1 - <5 %  
 acc. CLP (GHS): The criteria for classification are not fulfilled.

Chemical: *potassium dichromate* CAS No.: 7778-50-9  
 Classification: H272, Ox. Liq. 2, H301, Acute Tox. 3 oral, H312, Acute Tox. 4 derm., H314, Skin Corr. 1B, H317, Skin Sens. 1, H330, Acute Tox. 2 inh., H334, Resp. Sens. 1, H340, Muta. 1B, H350, Carc. 1A, H360FD, Repr. 1B, H372, STOT RE 1, H410, Aquatic Chronic 1  
 Formula: K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>  
 TSCA Inventory: listed  
 REACH Reg. No.: 01-2119454792-32-0004  
**SVHC listed: > exempt for formulation+use acc. Art56(3)+Q&A1030**  
 EC No.: 231-906-6 Indice No.: 024-002-00-6  
 RTECS: HX7680000 MFCD: 00011367  
 KE No.: not listed  
 Concentration: 0.00126 - <0.1 % Correlation factor: x 0.79 (= %CrO<sub>4</sub>)  
 The classification refers to weight percent of the metal (according to CLP Regulation 2008/1272/EC Annex VI, 1.1.3.2 Note 1)  
 acc. CLP (GHS): H317, Skin Sens. 1

#### 30 mL NANOCONTROL Chromat 100+

Chemical: *sulfuric acid* (diluted < 5 %) CAS No.: 7664-93-9d  
 Classification: H315, Skin Irrit. 2, H319, Eye Irrit. 2  
 Formula: H<sub>2</sub>SO<sub>4</sub>·H<sub>2</sub>O  
 TSCA Inventory: listed  
 REACH Reg. No.: 01-2119458838-20-xxxx  
 EC No.: 231-639-5 Indice No.: 016-020-00-8  
 RTECS: WS5600000  
 KE No.: KE-32570  
 Concentration: 1 - <5 %  
 acc. CLP (GHS): The criteria for classification are not fulfilled.

Chemical: *potassium dichromate* CAS No.: 7778-50-9  
 Classification: H272, Ox. Liq. 2, H301, Acute Tox. 3 oral, H312, Acute Tox. 4 derm., H314, Skin Corr. 1B, H317, Skin Sens. 1, H330, Acute Tox. 2 inh., H334, Resp. Sens. 1, H340, Muta. 1B, H350, Carc. 1A, H360FD, Repr. 1B, H372, STOT RE 1, H410, Aquatic Chronic 1  
 Formula: K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>  
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 KE No.: not listed  
 Concentration: 0.00126 - <0.1 % Correlation factor: x 0.79 (= %CrO<sub>4</sub>)  
 The classification refers to weight percent of the metal (according to CLP Regulation 2008/1272/EC Annex VI, 1.1.3.2 Note 1)  
 acc. CLP (GHS): H317, Skin Sens. 1

### 3.3 Remarks

When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%.

List of H and P phrases: see section 16.1

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately. Ensure quiet, warmth, and provide resuscitation if necessary. If necessary contact medical advice.

#### 4.1.1 After SKIN Contact

Causing allergies. Remove contaminated clothing immediately. Rinse the affected skin or mucous membrane thoroughly for min. 15 minutes under running water. (If possible) use soap. Avoid neutralisation. Then apply a loose bandage.

#### 4.1.2 After EYE Contact

After contact with the eyes rinse thoroughly under running water with the eyelid wide open with eye washing bottle, eye douche or running water (protect intact eye).

#### 4.1.3 After INHALATION of vapours

After inhalation of foam or vapour fresh air should be inhaled. Keep airways free. ---

#### 4.1.4 After ORAL Intake

After oral intake lots of water should be drunk after it has been ingested. ---

### 4.2 Most important symptoms and effects, both acute and delayed

Potassium dichromate: May cause sensitization by skin contact, also in repeated contact of small amounts. ---

### 4.3 Indication of any immediate medical attention and special treatment needed

After SKIN CONTACT rinse with water for a long time. Apply glucocorticosteroides following inflammatory reactions. Inform patient respectively further measures and the possibility of long-term damages. ---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

### 5.2 Special hazards arising from the substance or mixture

Formation of hazardous and caustic vapour-air mixtures possible. ---

### 5.3 Advice for firefighters

No, for listed product. Product package burns like paper or plastic. Spray any vapours released with water. Retent fire water. Use only acid-resistant safety equipment.

For great amount - if necessary - protective breathing apparatus which is independent of the ambient air (isolated equipment), and sealed protective clothing is necessary in the event of a large-scale formation of toxic substances.

### 5.4 Additional information

Danger for environment **only in the event of a large-scale leakage** or formation of hazardous substances. ---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Wear suitable protective gloves (see 8.2.2). Wear eye protection. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

### 6.2 Environmental precautions

not necessary

### 6.3 Methods and material for containment and cleaning up

Bind any escaping liquid with inert absorbent. And dispose in accordance to local regulations for the disposal of hazardous chemicals. Clean any contaminated equipment and floors with plenty of water.

Collect small amounts of leaked liquid and flush with water into drains.

### 6.4 Reference to other sections

see information in section 5.4 ---

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

### 7.2 Conditions for safe storage, including any incompatibilities

The original product package of MACHEREY-NAGEL allows a safe storage.

Storage class (VCI): 8B

Water hazard class (DE): 3

### 7.2.1 Requirements for stock rooms and containers

Keep original product packages tightly closed during handling and storage.

### 7.3 Specific end use(s)

Product for analytical use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 30 mL NANOCONTROL Chromat

Chemical: *sulfuric acid*

CAS No.: 7664-93-9d

DNEL: 50 µg/m<sup>3</sup>  
DNEL = Derived No-Effect Level (for workers)

PNEC<sub>(fresh water)</sub>: 2.5 µg/L  
PNEC = Predicted No Effect Concentration

TRGS 900 (DE): 0.1 E mg/m<sup>3</sup>  
E/e respirable

Short-term exposure factor: 1 (I)  
skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 0,1 e mg/m<sup>3</sup>

NIOSH: NTP Report on Carcinogens (RoC) List Yes (Known to be a human carcinogen); TWA 1 mg/m<sup>3</sup>  
[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: [TWA] 1 mg/m<sup>3</sup>

Chemical: *potassium dichromate*

CAS No.: 7778-50-9

DNEL: [inh] 0.01 mg/m<sup>3</sup>  
DNEL = Derived No-Effect Level (for workers)

TRGS 900 (DE): [CrVI] (0,05 E<sub>ausgesetzt</sub>) mg/m<sup>3</sup>  
E/e respirable

Short-term exposure factor: (4), H  
skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 0,05 e mg/m<sup>3</sup>

SUVA(CH) BAT value: [U/b] 20 µg/L

NIOSH: NTP Report on Carcinogens (RoC) List Yes (Chromium VI - Known to be a human carcinogen); TWA

8h 0.0002CrO<sub>3</sub> mg/m<sup>3</sup>  
[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: [CrO3][TWA] 0.005 mg/m<sup>3</sup>

#### 30 mL NANOCONTROL Chromat 100+

Chemical: *sulfuric acid*

CAS No.: 7664-93-9d

DNEL: 50 µg/m<sup>3</sup>  
DNEL = Derived No-Effect Level (for workers)

PNEC<sub>(fresh water)</sub>: 2.5 µg/L  
PNEC = Predicted No Effect Concentration

TRGS 900 (DE): 0.1 E mg/m<sup>3</sup>  
E/e respirable

Short-term exposure factor: 1 (I)  
skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 0,1 e mg/m<sup>3</sup>

NIOSH: NTP Report on Carcinogens (RoC) List Yes (Known to be a human carcinogen); TWA 1 mg/m<sup>3</sup>  
[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: [TWA] 1 mg/m<sup>3</sup>

Chemical: *potassium dichromate*

CAS No.: 7778-50-9

DNEL: [inh] 0.01 mg/m<sup>3</sup>  
DNEL = Derived No-Effect Level (for workers)

TRGS 900 (DE): [CrVI] (0,05 E<sub>ausgesetzt</sub>) mg/m<sup>3</sup>  
E/e respirable

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Short-term exposure factor: (4), H  
skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 0,05 e mg/m<sup>3</sup>  
 SUVA(CH) BAT value: [U/b] 20 µg/L  
 NIOSH: NTP Report on Carcinogens (RoC) List Yes (Chromium VI - Known to be a human carcinogen); TWA  
 8h 0.0002CrO<sub>3</sub> mg/m<sup>3</sup>  
[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: [CrO<sub>3</sub>][TWA] 0.005 mg/m<sup>3</sup>

## 8.2 Exposure controls

Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities. The highest level of cleanliness must be maintained at the workplace.

### 8.2.1 Respiratory protection

No additional recommendations.

### 8.2.2 Hand protection

Yes, gloves according EN 374 (permeation time >30 min - level 2), consist of PVC, natural latex, Neopren, or Nitril (f.ex. from Ansell or KCL). Use for short times chemical resistant latex gloves with code EN 374-3 level 1.

### 8.2.3 Eye protection

Yes, safety glasses according EN 166 with integrated side shields or wrap-around protection.

### 8.2.4 Skin protection

Recommended to avoid contamination with these hazards.

### 8.2.5 Personal hygiene

Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating, and then apply protective skin cream.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### 30 mL NANOCONTROL Chromat

Appearance: liquid	Colour: yellow	Odor: odorless
pH: 3-5		
Specific gravity: 1,0 g/cm <sup>3</sup>		

#### 30 mL NANOCONTROL Chromat 100+

Appearance: liquid	Colour: yellow	Odor: odorless
pH: 3-5		
Specific gravity: 1,0 g/cm <sup>3</sup>		

### 9.2 Other information

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required.

#### Relevant Properties of Substance Group

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no further data available.

### 10.2 Chemical stability

No known instability.

### 10.3 Possibility of hazardous reactions

No further data available.

### 10.4 Conditions to avoid

Not necessary. Observe labeled storage temperature. ---

### 10.5 Incompatible materials

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Avoid contact with strong acids or alkalines.

## 10.6 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

#### 30 mL NANOCONTROL Chromat

Chemical:	<i>sulfuric acid</i>	CAS No.: 7664-93-9d
TSCA Inventory:	listed	California Proposition 65 List: not listed
ACGIH:	1 ppm	
Exposure Routes:	inhalation, ingestion, skin and/or eye contact	
Target Organs:	Eyes, skin, respiratory system, teeth	
Symptoms:	irritation eyes, skin, nose	
Australia NICNAS:	not listed	Canada CEPA 1999: DSL Yes
Japan CSCL/PRTR:	not listed, Japan PDSCL: Deleterious Substance	
Japan ISHL:	listed $\geq 1,0\%$ / $\geq 1,0\%$ , Article 57-2 (SDS required)	
South Korea TCCA:	Accident Precaution Chemical Yes	
Korea Exist.Chem.Inventory:	KE-32570	
LD50 <sub>orl rat</sub> :	2140 mg/kg	
LC50 <sub>ihl rat</sub> :	[8h] 600/ [4h] 850 mg/m <sup>3</sup>	
TRGS 905 (DE):	R <sub>F</sub> C	

Chemical:	<i>potassium dichromate</i>	CAS No.: 7778-50-9
TSCA Inventory:	listed	California Proposition 65 List: listed cancer, developmental, female, male
ACGIH:	[CrVI] 0.05 mg/m <sup>3</sup>	
Exposure Routes:	inhalation, ingestion, skin and/or eye contact	
Target Organs:	Blood, respiratory system, liver, kidneys, eyes, skin; [lung cancer]	
Symptoms:	irritation respiratory system; nasal septum perforation; liver, kidney damage; leukocytosis (increased blood leukocytes), leukopenia (reduced blood le	
Japan CSCL/PRTR:	PRTR: $\geq 0,1\%$ Cr specific class I, Japan PDSCL: Deleterious substance	
Japan ISHL:	listed $\geq 0,1\%$ / $\geq 0,1\%$ , Article 57-2 (SDS required)	
South Korea TCCA:	yes, Restricted Chemical	
Korea Exist.Chem.Inventory:	not listed	
LD50 <sub>orl rat</sub> :	25 mg/kg	
LC <sub>Low</sub> <sub>orl gpg</sub> :	163 mg/kg	
LC50 <sub>ihl rat</sub> :	0.094 <sub>4h</sub> mg/L	
LD50 <sub>drm rbt</sub> :	14 mg/kg	
Acute Effects:	Cause after skin contact, impairments of health when ingested in small quantities. May cause sensitization by skin contact, also in repeated contact of small amounts.	
EU carcinogen:	carc. 1B, mutag. 1B, repr. 1B	
TRGS 905 (DE):	K2	
TRGS 907 (DE):	Sh	

#### 30 mL NANOCONTROL Chromat 100+

Chemical:	<i>sulfuric acid</i>	CAS No.: 7664-93-9d
TSCA Inventory:	listed	California Proposition 65 List: not listed
ACGIH:	1 ppm	
Exposure Routes:	inhalation, ingestion, skin and/or eye contact	
Target Organs:	Eyes, skin, respiratory system, teeth	
Symptoms:	irritation eyes, skin, nose	
Australia NICNAS:	not listed	Canada CEPA 1999: DSL Yes
Japan CSCL/PRTR:	not listed, Japan PDSCL: Deleterious Substance	
Japan ISHL:	listed $\geq 1,0\%$ / $\geq 1,0\%$ , Article 57-2 (SDS required)	
South Korea TCCA:	Accident Precaution Chemical Yes	
Korea Exist.Chem.Inventory:	KE-32570	
LD50 <sub>orl rat</sub> :	2140 mg/kg	
LC50 <sub>ihl rat</sub> :	[8h] 600/ [4h] 850 mg/m <sup>3</sup>	
TRGS 905 (DE):	R <sub>F</sub> C	

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Chemical: *potassium dichromate* CAS No.: 7778-50-9  
 TSCA Inventory: listed California Proposition 65 List: listed cancer, developmental, female, male  
 ACGIH: [CrVI] 0.05 mg/m<sup>3</sup>  
 Exposure Routes: inhalation, ingestion, skin and/or eye contact  
 Target Organs: Blood, respiratory system, liver, kidneys, eyes, skin; [lung cancer]  
 Symptoms: irritation respiratory system; nasal septum perforation; liver, kidney damage; leukocytosis (increased blood leukocytes), leukopenia (reduced blood le  
 Japan CSCL/PRTR: PRTR: ≥0,1% Cr specific class I, Japan PDSCL: Deleterious substance  
 Japan ISHL: listed ≥0,1%/≥0,1%, Article 57-2 (SDS required)  
 South Korea TCCA: yes, Restricted Chemical  
 Korea Exist.Chem.Inventory: not listed  
 LD50<sub>orl rat</sub>: 25 mg/kg  
 LC<sub>LoWorl gpg</sub>: 163 mg/kg  
 LC50<sub>ihl rat</sub>: 0.094<sub>4h</sub> mg/L  
 LD50<sub>drmt rbt</sub>: 14 mg/kg  
 Acute Effects: Cause after skin contact, impairments of health when ingested in small quantities. May cause sensitization by skin contact, also in repeated contact of small amounts.  
 EU carcinogen: carc. 1B, mutag. 1B, repr. 1B  
 TRGS 905 (DE): K2  
 TRGS 907 (DE): Sh

## SECTION 12: Ecological information

### 12.1 Toxicity

Following information is valid for pure substances.

#### 30 mL NANOCONTROL Chromat

Chemical: *sulfuric acid* CAS No.: 7664-93-9d  
 PNEC(fresh water): 2.5 µg/L  
 PNEC = Predicted No Effected Concentration  
 LC50<sub>fish/96h</sub>: [NOEC, 65d] 25 µg/L  
 EC50<sub>daphnia/48h</sub>: 100 mg/L  
 EC10<sub>pseudomonas putita/16h</sub>: [72h] 100 mg/L  
 Water hazard class (DE): 1 WGK No.: 0182  
 Storage class (VCI): 8 B

Chemical: *potassium dichromate* CAS No.: 7778-50-9  
 LC50<sub>fish/96h</sub>: 26.13 mg/L  
 EC50<sub>daphnia/48h</sub>: 0.77 mg/L  
 Water hazard class (DE): 3 WGK No.: 339  
 Storage class (VCI): 6.1 B

#### 30 mL NANOCONTROL Chromat 100+

Chemical: *sulfuric acid* CAS No.: 7664-93-9d  
 PNEC(fresh water): 2.5 µg/L  
 PNEC = Predicted No Effected Concentration  
 LC50<sub>fish/96h</sub>: [NOEC, 65d] 25 µg/L  
 EC50<sub>daphnia/48h</sub>: 100 mg/L  
 EC10<sub>pseudomonas putita/16h</sub>: [72h] 100 mg/L  
 Water hazard class (DE): 1 WGK No.: 0182  
 Storage class (VCI): 8 B

Chemical: *potassium dichromate* CAS No.: 7778-50-9  
 LC50<sub>fish/96h</sub>: 26.13 mg/L  
 EC50<sub>daphnia/48h</sub>: 0.77 mg/L  
 Water hazard class (DE): 3 WGK No.: 339  
 Storage class (VCI): 6.1 B

### 12.2 Persistence and degradability

not necessary

### 12.3 Bioaccumulative potential

not necessary



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## 12.4 Mobility in soil

not necessary

## 12.5 Results of PBT and vPvB assessment

no data available

## 12.6 Other adverse effects

no additional data available

## SECTION 13: Disposal considerations

Please observe local regulations for collection and disposal of hazardous waste and contact waste disposal company, where you will obtain information on laboratory waste disposal (waste code number 16 05 06).

### 13.1 Waste treatment methods

## SECTION 14: Transport information

14.1 - 14.4: No dangerous goods according the transport regulations

### 14.5 Environmental hazards

none, contains only small quantities of hazardous substances

### 14.6 Special precautions for user

not necessary

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

German act governing protection from hazardous substances (Chemicals Act / Chemikaliengesetz- ChemG), revised on August 2013  
 German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung - GefStoffV), revised on November 2010, according to Directive 98/24/EC  
 TRGS 200, German engineering rules governing the classification and labelling of hazardous substances, preparations and products, updated October 2011  
 MN Leaflet/User manual, also see [www.mn-net.com](http://www.mn-net.com)  
 Look for your country-specific regulations.

### 15.2 Chemical safety assessment

not necessary for these small amounts ---

## SECTION 16: Other information

### 16.1 List of H and P phrases

#### 16.1.1 List of relevant H phrases

H317 May cause an allergic skin reaction.

#### 16.1.2 List of relevant P phrases

P261sh Avoid breathing dust/vapours.  
 P280sh Wear protective gloves/eye protection.

### 16.2 Training advice

Multiple safety training of staffs about danger and protection by using hazards in working area. Additionally training and introduction of staffs for using these products.

### 16.3 Recommended restriction on use

Only for professional user.

Look about employee restrictions for young people (f. ex. 94/33/EC or DE § 22 JArbSchG)!

Look about employee restrictions for pregnant women and nursing women (f.ex. 92/85/EEC or for DE §§ 11-13 MuSchG 2017)!

An individual package of this product or test kit has a moderate hazardous potential.

### 16.4 Further information

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

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NANOCONTROL Standard Chromate

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## 16.5 Sources of key data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS

Regulation 487/2013/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

Regulation 669/2018/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

Regulation 1480/2018/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

TRGS 900, German engineering rules governing limits in air at work, updated 03/2019

SUVA .CH, Limits in air at work 2009, revised on 01.2009

TRGS 907, German engineering rules governing listing of substances and causes of sensitizations, updated November 2011

KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

### Revisions/Updates

Reason for Revision: 2016-03 Adaptation of regulation 1221/2015/EU